

REINER

Operating Instructions

ChronoDater 920 / 925



© 2008 Ernst Reiner GmbH & Co. KG

All rights reserved. Translations, reprints, or any other form of reproduction of this document, even in part and regardless of form, require our express written permission.

We reserve the right to change the contents of this document without prior notice.

This document has been compiled with great care, however, we cannot accept liability for any errors or defects or for damage resulting from them.

List of Contents

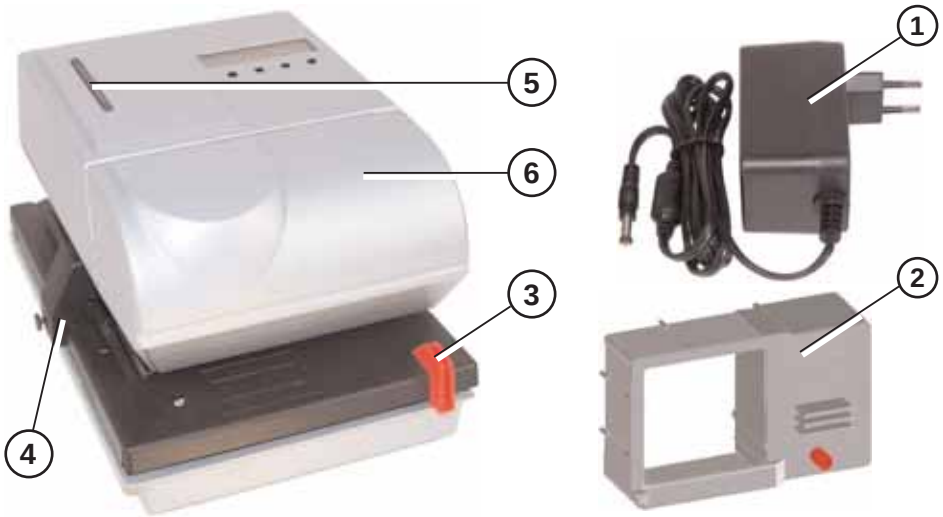
Safety instructions	4
Accessories	5
Control elements	6
Getting started	7
Checking the installed ink ribbon	7
Mounting paper stop	7
Setting the trip switch	8
Connecting the power supply	9
Printing	10
Different ways of triggering stamping	11
Document stack thickness and stamping performance	12
Precautionary measures when stamping	13
Changing the ink ribbon	14
Security lock for stamp access (option)	15
Changing the stamp itself (option)	15
Chipcard functions	16
User level / desktop	17
Menu	18
Description of button functions	18
Menu structure	19
Setting date and time	19
Setting the language	19
Settings	20
Description of menu item 'Settings'	21
Model / Version	22
SF module	22
Troubleshooting and error messages	23
Cleaning the machine	24
Technical data	25
Certification	26

Safety instructions

Please observe the following safety instructions without fail when using or handling your electric stamping machine:

- The Reiner ChronoDater 92x complies with relevant safety regulations for information technology equipment, including those for electric office machinery.
- Unauthorised opening of the machine and improper repairs can cause considerable danger (fire hazard)
- To avoid the danger of injury, do not insert your fingers between the baseplate and the print carriage
- Transport the machine only in its original package or other suitable package that provides protection against shock and impact
- If the machine is taken from a cold environment into a warm room, condensation may form on it. Wait until the machine has warmed up to room temperature and is absolutely dry before starting to use it.
- Make sure that the local mains voltage corresponds to the voltage stated on the power supply
- Ensure that the power socket which you use for the machine is readily accessible at all times, and is near to the machine
- The machine has no ON/OFF switch; to disconnect it from the mains, you must unplug the power supply from the power socket
- Arrange the connection leads so that they do not create a hazard (danger of tripping) and cannot be damaged
- Take care that no objects, e.g. necklaces, paper clips, or liquids, fall into the machine - danger of electric shock or short circuit
- In an emergency, e.g. in the event of damage to the machine casing, control elements or the mains lead, or if an object or liquid falls into the machine, disconnect the power supply from the power socket and inform your sales agent or our Service Department
- Neither normal nor rechargeable batteries should be disposed of in domestic waste.
They must be disposed of as hazardous waste in accordance with local regulations.

Accessories



1 = Plug-in power supply	Order no.:	905 100 - 000
2 = Ink-ribbon cassette	Order no.:	see 'Ink ribbons'
3 = Paper stop	Order no.:	738 220 - 001
4 = Movable trip switch	Order no.:	735 700 - 000
5 = Chipcard reader	Order no.:	782 532 - 000

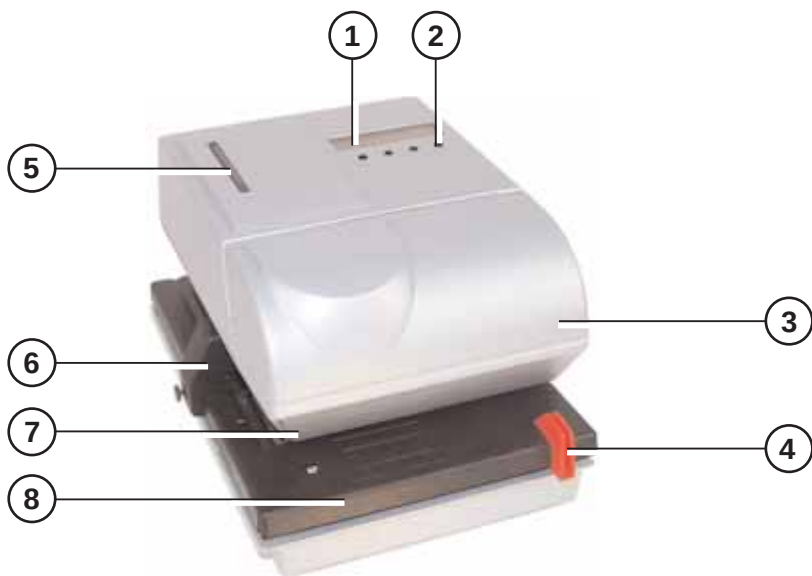
Optional accessories

6 = Casing with security lock	Order no.:	924 690 - 000
-------------------------------	------------	---------------

Ink ribbons

Black	Pack of two	Order No.	738 080 - 000
Red	Pack of two	Order No.	738 080 - 001
Blue	Pack of two	Order No.	738 080 - 002
Drop-out colour (red)	Pack of two	Order No.	738 080 - 011

Control elements



- 1 Display
- 2 Buttons
- 3 Front cover
- 4 Paper stop
- 5 Chipcard reader slot
- 6 Trip switch
- 7 Security lock (option)
- 8 Document table

On the right-hand side of the machine:

- 9 Connection socket for power supply

On the rear of the machine:

- 10 Connection socket for RS 232 interface

Getting started

Checking the ink ribbon

- ▶ Press the grips on both sides of the front cover, swing it upwards and remove it
- ▶ Tension the ink ribbon: turn the knob of the ink ribbon (below the grip) a few turns to the right (clockwise)
- ▶ Close the cover



Mounting paper stop



Note

The paper stop (4) (order no. 738 220 - 001) is a guide for positioning documents laterally.

- ▶ Fit the paper stop, from the left or right, to the front edge of the document table and push it to the required position



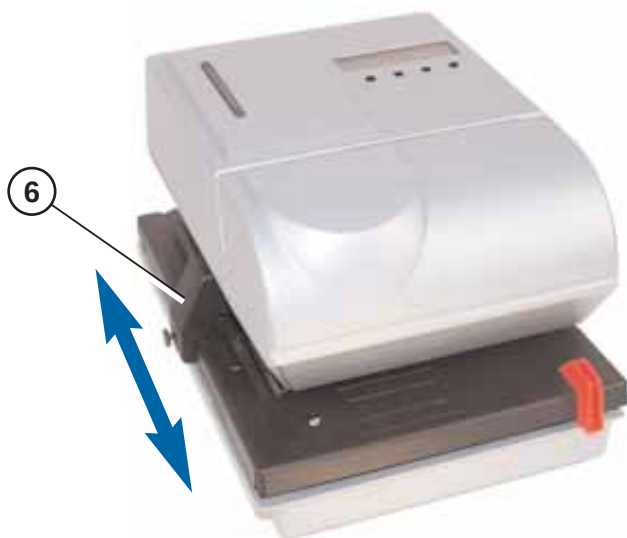
Setting the trip switch



Note

The trip switch (order no. 738 620 - 001) is activated when contacted by a document and starts the stamping operation

- ▶ Loosen the knurled screw holding the trip switch (6) and slide the switch to the required position
- ▶ Secure the trip switch (6) again with the knurled screw



Connecting the power supply

The socket for the power supply (1) is on the right-hand side of the machine



Make connections only in the order given below!

First plug the power supply into the machine and then to the power socket. This avoids overloading the electronics.

1. Connect the lead from the power supply to the socket (1) on the right-hand side of the machine



2. Connect the power supply (2) to the power socket

The machine will now start setting its print wheels.

If necessary, you can then set the date and time (see page 19)



The machine is now ready to use.

Printing



Note

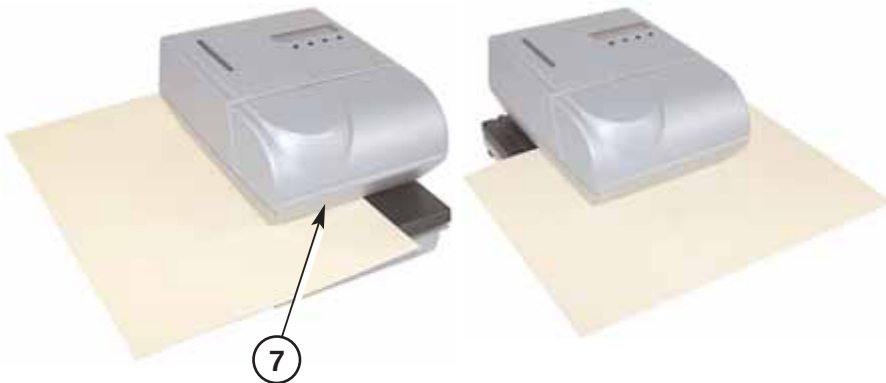
The printing symbols on the document table and the front cover (7) indicate the horizontal position of the stamp.

A marking on the left front cover (arrow) shows the vertical centre-line of the stamp.

These markings make it possible to position the stamps accurately on a document.

- ▶ Push the document into the stamping machine to the required position
- ▶ Start the stamping operation by gently pressing on the front edge of the document table

If no more stamps are needed, the stamping function can be switched off. To do this, press and hold the [**OFF**] button for approx. 3 seconds or, if a chipcard is being used, remove it.



Different ways of triggering Stamping



Note

- The three different ways of initiating stamping can be individually combined and set.
- The type of initiation required can be selected in the menu (see page 20, Settings / Trigger).
- When the machine leaves our factory, all three types of triggering are activated

①

Table tripping:

Insert the document and push it to the required position (e.g. to the paper stop), then press down on the document table

②

Trip switch triggering:

Push the document in until it reaches the trip switch. Printing is triggered automatically when the document contacts the trip switch

③

External triggering:

Can be connected at the RS 232 interface.
The interface is on the rear face of the machine
(see page 6, pos. 10)

Document stack thickness and stamping performance

The stamping force of the roller-printer mechanism is set in our factory to suit the individual printer (with or without text plate).
The relationships between stamping force, the resultant carbon-copy performance, and the maximum permissible document stack thickness are as follows:

Print head	Maximum thickness	Carbon-copy performance
Without text plate	2 mm	Up to 6 NCR papers
With text plate	2 mm	Depends on text plate design 1 - 2 NCR papers



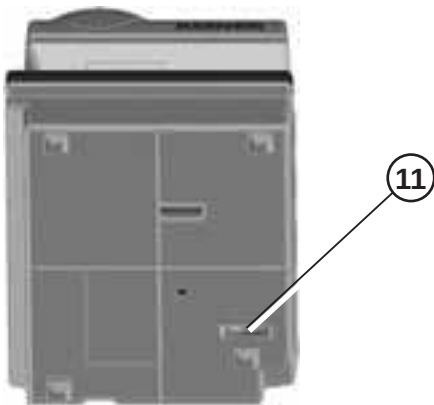
Note

If the document or document stack is too thick, the stamping operation will be interrupted and the display will show the error message 'Er d' for a short time.
The pressure roller will go automatically to its start position and the fault message will be extinguished.
Blocking of the print roller, in such a way that the machine cannot correct the situation itself, must be eliminated manually as follows:



Warning

First disconnect the machine from the mains!
Tip the machine to the rear and turn the knurled wheel (11) until the pressure roller is at either its left-hand or right-hand stop.



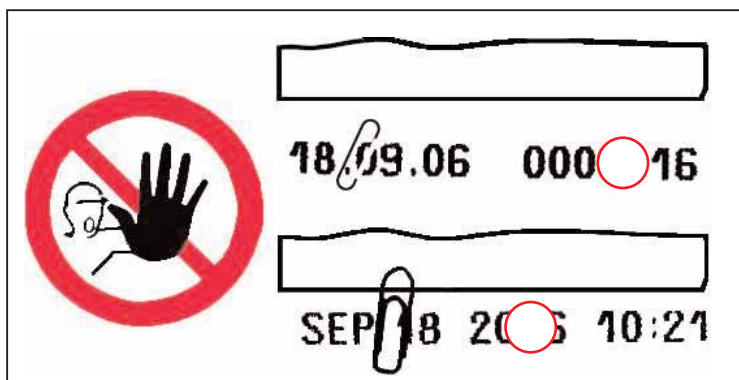
Precautionary measures when stamping

Do not stamp on staples, paper clips or perforations !

Stamping on staples, paper clips or other hard objects can result in damage to the printing plate or the print wheels.

Damage to the printing plate can cause an incomplete stamp.

Stamping on perforations can cause an incomplete stamp.



Changing the ink ribbon

- ▶ Swing up the cover and remove it
- ▶ Grasp the used ink-ribbon cassette by its grip (20) and pull it out forward, taking care not to tilt the cassette
- ▶ Push a new ink-ribbon cassette over the metal cover (21) as far as it will go
- ▶ Turn the red knob on the ink-ribbon cassette clockwise (in the direction of the arrow) to tension the ink-ribbon
- ▶ Reinstall the cover and close it



Security lock for Stamp access (option)

Removal protection for printing plate (option)



Note

Installation of the option security lock (order no. 924 690 - 000) prevents unauthorised removal of the ink ribbon and the printing plate.



cover with lock (kit)

Changing the Stamp itself (option)

The printing plate can be changed on request.

This operation requires mechanical work on the machine and should, therefore, only be carried out by trained specialist personnel.

It is recommended to have this work carried out by your specialist dealer or REINER Service.

Chipcard functions

Key function with chipcard



Note

- When a REINER chipcard is used, the machine has an additional "Key function" feature
- The chipcard can only be activated when the machine has a chipcard reader installed and a valid chipcard has been inserted
- "Password menu" must be activated to prevent deactivation of the chipcard by an unauthorised person
- When the chipcard function is active, the machine will only print if a valid chipcard has been inserted

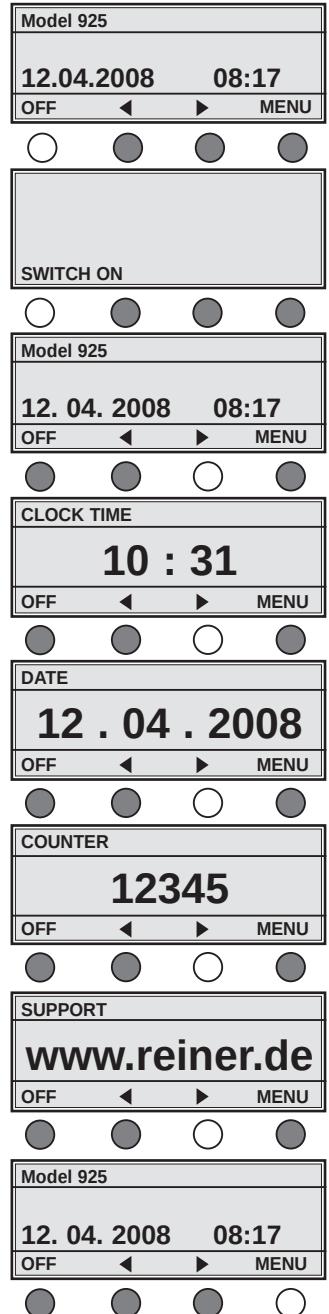
If you try to print without a chipcard, the display will show "Insert chipcard".



User level / desktop

Ready to print

- [OFF] = Switches machine off
(keep button pressed
for at least 3 seconds
switches to Standby
mode)
- [ON] = Switches machine on
- [◀] = Selects previous
menu item
- [▶] = Selects next menu item
- [MENU] = Selects menu



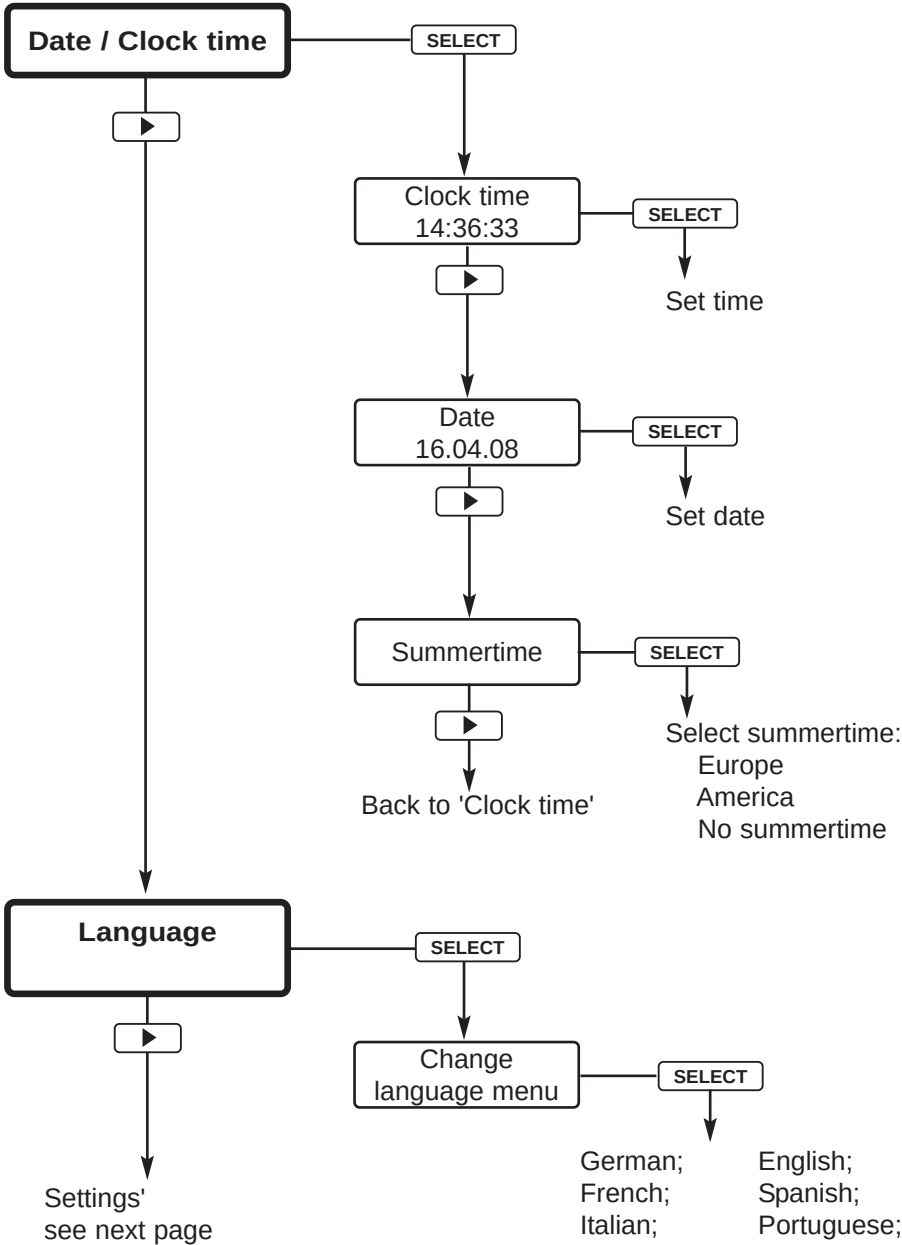
Menu

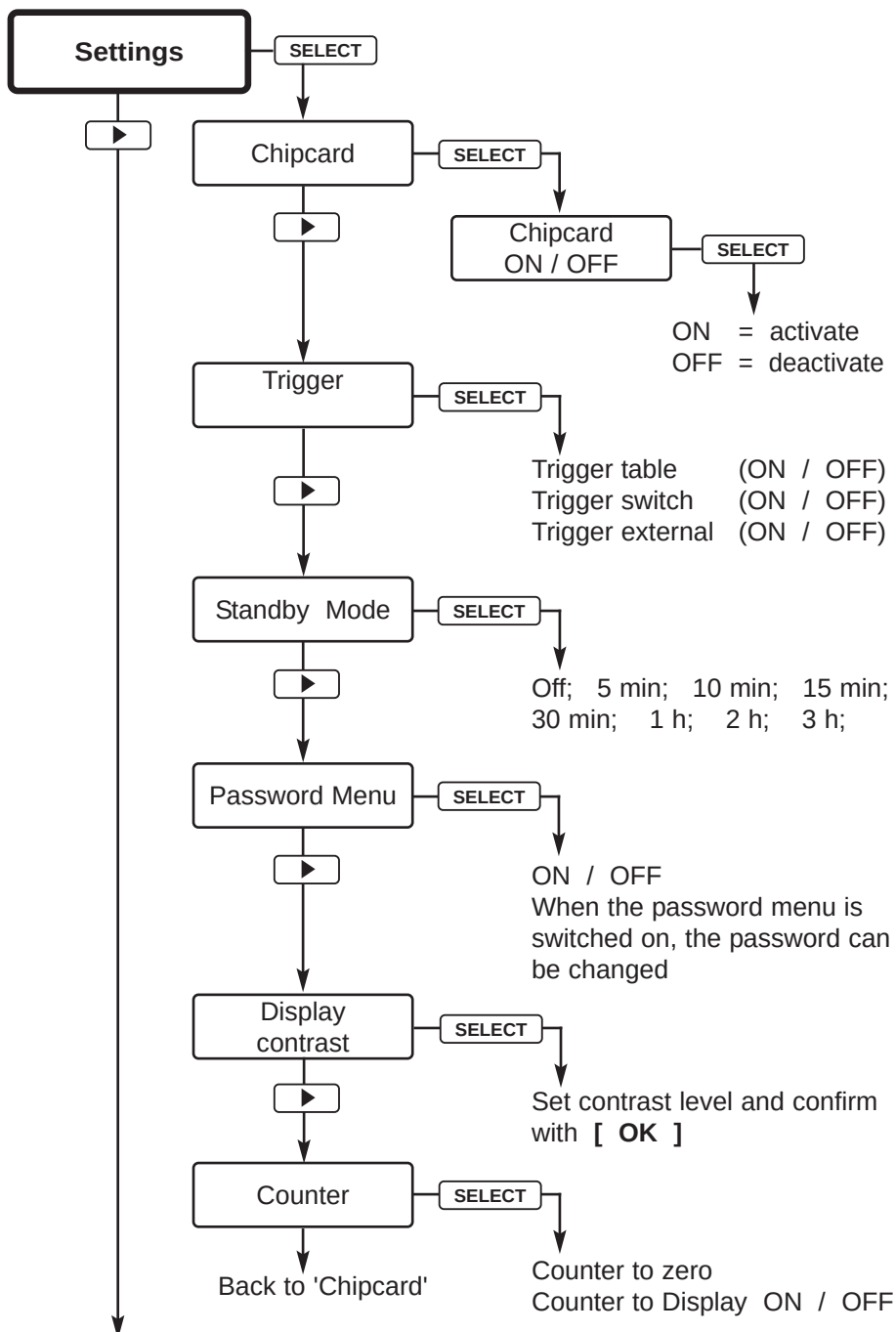
Description of button functions in menu



- [OFF] Switches machine off
(keep button pressed for at least 3 seconds
switches to Standby mode)
- [SELECT] Selects displayed status or menu item.
A status that is already set will blink if you select it
- [◀] Selects previous function
- [▶] Selects next function
- [OK] Confirms set value or status
- [RETURN] Goes back to previous menu item
To exit the menu, press repeatedly as required

Menu structure





Continued on next page

Description of menu item 'Settings'

Chipcard

- ON / OFF
ON = Activate chipcard
OFF = Deactivate chipcard
- Change key number of chipcard
(Only by an authorised specialist dealer)



Note

The chipcard function can only be activated when a valid chipcard has been inserted.

Trigger

Three different methods of triggering can be selected:

- Table triggering
- Triggering by trip switch
- External triggering

When the machine leaves our factory, all three types of triggering are activated.

Standby mode

The machine switches to "OFF" and the print wheels do not advance. Pressing the [ON] button, table triggering or contacting the trip switch will activate the machine again.

The current time will be set before the printing.

Password

- ON / OFF
ON = Password protection for menu access is activated
OFF = Password protection is deactivated

Display contrast

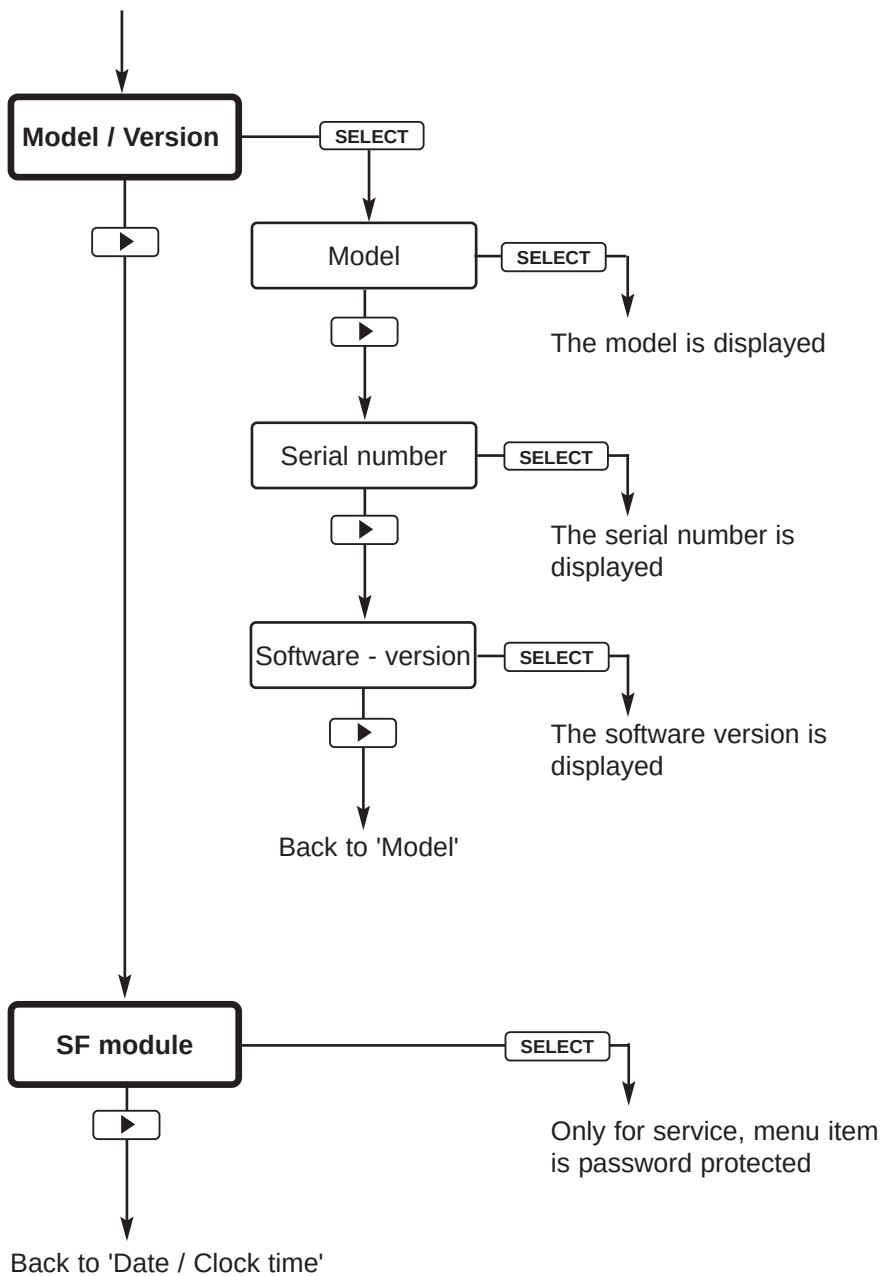
With the [◀] and [▶] buttons, the display contrast can be changed: the setting can be between 0 and 7.

Press the [SELECT] button to save the setting.

Counter

Set counter to zero = The counter is reset to "0"

Counter to display ON = The current counter reading is shown in the display



Troubleshooting and error messages

Display message	Cause	Remedy
Display is dark	Machine is not connected to mains	Connect machine to mains
Please wait	The machine is setting itself	Wait until the machine is ready for use
Batteries empty please change	Batteries are discharged	Have batteries changed by trained specialist (Warning: explosion hazard!)
Insert chipcard	Chipcard not properly inserted or wrong way round	Insert chipcard correctly
Please wait machine printing	Printer is sluggish or blocked	If this often happens, have machine checked
Warning 01	FLASH MEMORY has been overwritten with default settings	Press [OK] button
Warning 15 ... 17	Wrong chipcard or not correctly inserted	Use right chipcard or insert chipcard correctly
Warning 20 card illegible	Chipcard not properly inserted or wrong way round	Insert chipcard correctly
Warning 31	Cover is not properly closed	Fit cover correctly

If fault messages appear that are not listed here, please notify the technical customer-service department.

Cleaning the machine



Warning

Cleaning the housing

The housing components are painted.
Do not use abrasive cleaning agents or solvents.
Take care that no liquid gets inside the machine.

The surfaces of the housing can be cleaned with
a soft cloth.
If this does not remove all dirt, use a cloth moistened
with water and a mild dish-washing liquid.



Note

Cleaning the printing plate

Built-up dirt on the printing plate can cause deterioration
of the stamp or even malfunction of the machine.

Technical data

Dimensions (S x D x H in mm)	210 x 160 x 138 mm
Weight	approx. 3,7 kg
Ink-ribbon capacity	upto 50.000 stamps (without printing plate)
Stamping time	approx. 0,5 seconds
Stamping sequence	max. 1 second
Stack thickness	max. 2 mm (2 ... 6 NCR - copies)
Ambient temperature for operation	+ 10° C ... + 40° C down to - 8° C depending on conditions
Temperature for transport and storage	- 40° C ... + 70° C
Relative humidity for operation	30% ... 70% relative humidity
Relative humidity for transport and storage	10% ... 90% relative humidity
Power supply	from mains unit supplied Protection class II
Power Supply Input	100 ... 240 V ~ / 47 ... 63 Hz / 0,7 A AC
Power Supply Output	24 V DC / 1.05 A
Input to machine	24 V DC / 1.0 A
Noise level	< 70 dB(A) (workplace-related emissions to ISO 7779)



Tested safety

The machine is manufactured to the safety standards IEC 950, EN 60950 and VDE 0805.



Marking

The machine complies with the requirements of EC Directive 89/336/EEC with regard to 'Electromagnetic Compatibility'. The machine, therefore, carries the CE mark.



Disposal

Electrical and electronic equipment should not be disposed of as household or residual waste.

Used batteries should not be disposed of as household or residual waste.

Used batteries should be disposed of in accordance with local regulations.

REINER

Ernst REINER GmbH & Co. KG
Baumannstrasse 16
D - 78120 Furtwangen

Telephone	+ 49 7723 6570
Fax	+ 49 7723 657200
Internet	www.reiner.de
E - mail	reiner@reiner.de